





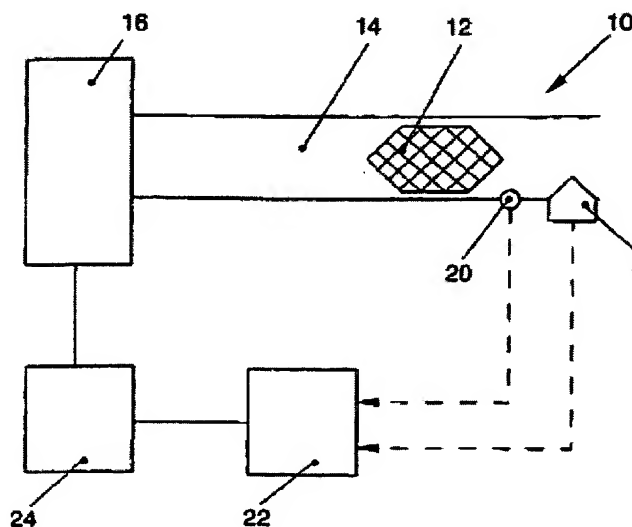


METHOD FOR CONTROLLING NOX STORAGE CATALYST REGENERATION**Patent number:** WO0100977**Publication date:** 2001-01-04**Inventor:** POTT EKKEHARD (DE)**Applicant:** VOLKSWAGENWERK AG (DE); POTT EKKEHARD (DE)**Classification:****- international:** F02D41/02; F01N3/08**- european:** B01D53/94F2D; B01D53/94Y; F01N3/08B; F01N3/08B2; F01N3/08B10; F01N3/08B10B; F02D41/02C4D1; F02D41/02C4D1A**Application number:** WO2000EP04979 20000531**Priority number(s):** DE19991029293 19990625**Also published as:** EP1196684 (A1)
 DE19929293 (A)
 EP1196684 (B1)**Cited documents:** EP0858837
 EP0927818
 XP002149278**Report a data error he****Abstract of WO0100977**

The invention relates to a method for controlling the regeneration of at least one NO_x storage catalyst disposed in the exhaust gas duct of a combustion engine. In order to perform regeneration by at least temporarily influencing at least one operating parameter of the combustion engine, the temperature of the catalyst and an operating parameter of the combustion engine are adjusted with $\lambda \leq 1$ (regeneration parameter). The state of the catalyst is calculated and/or detected by at least one sensor. According to the invention, (a) at least one wash coat of the NO_x storage catalyst (12) is apportioned according to a predefinable matrix (30) in the cells (32) of the catalyst, (b) the state of the catalyst (34) is determined for each catalyst cell (32) (state parameter (36)), (c) a predefinable weighting factor (38) is allocated to each individual catalyst cell (32), (d) a cell parameter (40) is calculated for regeneration by means of a respective state parameter (36) and the weighting factor (38) for each individual catalyst cell (32) and (e) the sum of the cell parameters (40) of each individual catalyst cell (32) is used to establish the regeneration parameter (44).



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